SOLO taxonomy: Creating an app or game (7-8)

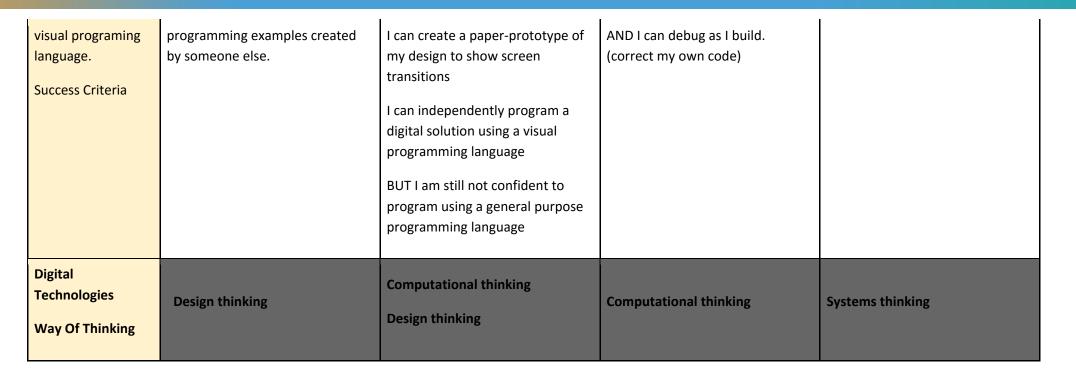


We are creating an online game or mobile app				
SOLO LEVEL	One	Many	Relate	Extend
SOLO VERB	Identify Isolated Skills	Describe, and Combine Serial Skills	Integrate Skills	Evaluate Skills
DECLARATIVE knowledge (knowing about – talking or writing about the programming code) Create a digital game or app. Success Criteria	I can DEFINE a problem and identify functional requirements such as usability, technical or social constraints/ considerations and data requirements I can IDENTIFY key elements by decomposing the problem.	 I can DESCRIBE two or three different design ideas and in detail discuss: the logic behind transitioning between screens functional requirements to judge what idea best meets these requirements. 	 AND I can EXPLAIN my programming choices – that involve branching (where decisions by the user are enabled), iteration (where loops and repeat functions have reduced the script length and detail) other functions for example the use of variables. 	 AND I can EVALUATE the effectiveness of mine and other's digital solutions in meeting its functional requirements by explaining: how well it meets its intended purpose how the solution met one functional requirement and one constraint.
FUNCTIONING knowledge (knowing how to) Create a digital solution using	I can interpret an algorithm presented as a flow chart and follow the steps I can use a visual programming language or a general purpose programming language IF I copy	I can use functional requirements to create an algorithm that I use to plan out a program for a digital solution.	I can independently and confidently create a digital solution using a general programming language	AND I can seek feedback from a small group by demonstrating my solution and then act on feedback





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As learning progresses, it becomes more complex. SOLO stands for the Structure of the Observed Learning Outcome. It is a means of classifying learning outcomes in terms of their complexity. It can help differentiate a task to enable students to operate at their level and provide learning tasks that are progressively more challenging.

For more about SOLO Taxonomy refer to these websites

John Biggs Solo Taxonomy

HookED: Solo Taxonomy





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